

Clearwater National Forest

Fish Habitat Report - Detailed Reach Summaries

Stream Name: **Blakes Fork**

HUC Code: **1706010801030301**

Survey Year: **2018**

Transect Spacing: **30**

Survey Length: **570**

<i>Reach</i>	<i>Length</i>	<i>% of Channel Gradient</i>	<i># Transects</i>	<i>Channel Type</i>
bf-03	570	100.0%	19	

Variable	Avg	Sum	Min	Max
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Channel Characteristics

Average Stream Depth (cm)	9.0		2.0	27.8
Maximum Depth (cm)	18.1		6	50
Stream Width (m):	1.76			
Bank Erosion (m/km)		64.9		
Bank Stability %	93.51%			
% Gradient (transects):	1.9			

Habitat Characteristics

Pool Quality Rating:	3.00		2	4
Pool Width (m):	1.8		0.9	4.3
Instream Cover Index	3.74		2	5
Bank Stability Index	3.68		2	5
Bank Cover Index	4.47		3	5
Acting Debris (no./100m)	52.3		16.7	90.0
Large Woody Debris (no./100m)	0.0		0.0	0.0
Potential Debris(no./100 m)	91.0		14.0	182.0
Primary Pools (no./km)	140.4		140.35	
High Quality Pools (no./km)	0.0			
Sum Surface Area (Pool Type)	666			
% Pool (all Pool like types):	70.1%			

All pool like types include large pools, pocketwater, alcoves, runs and pool-runs. Refer to the Habitat Type breakdowns for the % of actual primary pools

Pacfish Averages for wood and pools	Avg	Min	Max
Acting Debris (no./mile)	841.2	268.2	1448.1
Large Woody Debris (no./mile)	0.0	0.0	0.0
Primary Pools (no./mile)	225.8		
High Quality Pools (no./mile)	0.0		

Cobble Embeddedness

	Cobble Embeddedness	Adjusted Cobble Embeddedness
pool	77.6	
riffle	93.8	
run pool	85.0	
run riffle	100.0	
Average Reach CE (unweighted)	85.2	

Habitat types - Average Widths (meters)

Variables	Mean	Min	Max	Surface Area (m2)	Percentage of Total
pool	1.8	0.9	4.3	603	63.5%
riffle	1.0	0.6	1.5	245	25.8%
run riffle	1.3	1.3	1.3	39	4.1%
run pool	1.1	1.0	1.2	63	6.6%
Total Surface Area (m2)				950	100.0%

Primary Habitat Functions - average widths

Variables	Mean	Min	Max	Surface Area	Percentage of Total
unusable	1.0	0.9	1.0	57	6.0%
summer rearing	1.5	0.6	4.3	893.1	94.0%
Total Surface Area (m2):				950	100.0%

Predominant Substrates

Predominant Substrate	Surface Area (square meters)	% of Total Area
— missing data	129	13.6
coarse gravel 2.5-7.6 cm	146	15.3
small gravel 0.6-2.6 cm	406	42.7
sand <0.6 cm	215	22.6
silt	56	5.8
Total Surface Area	950.1	

Pool Creators

Pool Creators	Percentage of Total Pool Area in Stratum	Mean Pool Rating
large woody debris	100.0	1.75
All Pools	100.0	1.8

Pool Ratings

Habitat Type	Average Pool Rating	Min	Max
pool	3.00	2	4
Average Pool Rating (all pool types)	3.00	2	4

Riparian Vegetation

Riparian Dominant/Subdominant Combinations		% of Scheme within the reach
Dominant	Subdominant	
Alder	and Forbs/Grasses (not meadow	21.1%
Forbs/Grasses (not meadow	and Alder	57.9%
Cedar	and Grand fir	5.3%
Grand fir	and Alder	15.8%